

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Previously Presented) Photostructurable liquid composition for the production of a hydrogel layer based on polyacrylamide, comprising:
 - a monomer precursor of the polyacrylamide;
 - a cross-linking agent;
 - a photoinitiator;
 - at least one film former;
 - at least one comonomer with reactive linker groups; and
 - at least one softener.
2. (Previously Presented) Composition in accordance with claim 1, wherein the film former is a water-soluble polymer.
3. (Previously Presented) Composition in accordance with claim 2, wherein the water-soluble polymer is chosen as a film former from the group consisting of polyvinylpyrrolidone, polyacrylamide and polyhydroxyethylmethacrylate.
4. (Previously Presented) Composition in accordance with claim 1, wherein the comonomer with reactive linker groups is chosen from the group consisting of maleic anhydride and glycidyl(meth)acrylate.
5. (Previously Presented) Composition in accordance with claim 1, wherein the softener is chosen from the group consisting of di- and triethyleneglycol.

6. (Previously Presented) Composition in accordance with claim 1, wherein the polyacrylamide arrangement is based on at least one of acrylicamide, methylenebisacrylamide and dimethacrylic-acid esters.

7. (Previously Presented) Composition in accordance with claim 1, wherein the composition is present in a polar water-miscible solvent.

8. (Previously Presented) A method, comprising:

using a composition in accordance with claim 2, for the production of a hydrogel using photostructuring by contact exposure.

9. (Previously Presented) A method, comprising:

using a composition in accordance with claim 1, for the production of an immobilizing layer for biomolecules on a transducer surface.

10-11. (Cancelled).

12. (Previously Presented) Composition in accordance with claim 1, wherein the comonomer with reactive linker groups is chosen from at least one of maleic anhydride and glycidyl(meth)acrylate.

13. (Previously Presented) Composition in accordance with claim 2, wherein the comonomer with reactive linker groups is chosen from at least one of maleic anhydride and glycidyl(meth)acrylate.

14-15. (Cancelled).

*** END CLAIM LISTING ***